City of Kingman
Water Distribution System Checklist

PROJECT NAME:

CITY OF KINGMAN PROJECT NUMBER: DATE:

REVIEWED BY:

1. P.E. seal on plans and specs (when over $12,500.00)   ☐Yes   ☐No

2. Approval to Construct Application

3. Extension Agreement, (when applicable)

4. Compliance of water system (when applicable)

5. Design Report (not needed for minor ext. 3 minor ext = major ext)

6. Pipe, fittings, valves, fire hydrants, etc. shall conform to AWWA, ASTM, etc. Standards

7. PVC pipes (if used) must be NSF approved for potable water use (NSF-pw seal)

8. Water mains serving fire hydrants must be 6" minimum diameter

9. The minimum diameter in areas other than single family residential shall be 8"

10. Depth of pipes: 3' min. cover (unless justified): where frost depths > 3': frost depths override

11. Dead ends must have flush valves (minimum diameter 2 inch)

12. Thrust blocking per MAG Detail 380 or approved joint restraint

13. Valving (shutoff valves):
    a. 500' spacing in commercial districts
    b. Or 800' (1block) whichever is smaller
    c. Or all mains branching from feeder mains

14. Air and vacuum relief valves at high points (change of slope)

15. Pressure reducing valves for pressure > 100 psi

16. Sewer water main separation must meet R18-5-502 (latest revision)

17. When potential cross connection (like WWTP); backflow prevention: air gaps, vacuum breaker, double check valve

18. All water lines must be disinfected per Bulletin 8 or AWWA C651-86

19. All water mains should be designed for working pressure of 150 psi plus allowance for water hammer

20. Pressure testing of water lines (ie, AWWA C600 or MAG 610-14)

21. Backfill and bedding in accordance with City Detail 392

22. Both plan and profile details for water lines > 6" diameter

23. For water pipe (when using PVC pipe and MAG specs) must specify AWWA or ASTM Standards or manufacture recommendations, plus strength classification

COMMENTS: